

to be the peculiar sort of fish Dupuis asserts is found in that place, and which he calls a sword-fish.

“Pray excuse my trespassing upon your valuable time.

“Invented at a time when every figure was a symbol, these must still possess a meaning, which every version of them may help to explain.”*

VI. Comet communications :—

1. A Communication from Professor Schumacher of Observations of Comets made at Berlin by Professor Encke.

Name of Comet.	Month and Day.	Berlin Mean Solar Time.	Right Ascension.	North Declination.	No. of Comp.	Remarks.
D'Arrest.	1844. Dec. 28	^h 8 ^m 8 ^s 27.0	294° 9' 13".5	+ 36° 18' 52".9	2	Piazzi, Circular Micrometer.
	1845. Jan. 10	6 33 16.8	290 6 55.3	41 28 47.1	15	B. Z. and H. C.
	11	6 31 19.8	289 41 25.3	41 55 24.0	13	B. Z.
	11	7 7 11.6	289 40 29.5	41 56 7.5		B. Z.
	13	6 25 27.0	288 45 47.7	42 50 38.0	12	B. Z.
	14	7 51 12.1	288 13 49.5	43 20 56.4	10	B. Z.
	27	8 36 29.1	277 28 24.5	51 7 15.6	12	Determined at the Merid. Circle.
	28	10 37 47.9	275 57 15.9	53 57 33.4	10	H. C.
	30	8 17 45.8	272 50 18.2	53 31 9.3	10	H. C.
	Feb. 4	8 42 59.6	260 23 14.6	58 7 53.2	10	H. C.
	25	12 23 32.8	150 57 42.6	22 37 28.4	5	B. Z.
	Mar. 3	11 5 43.4	143 7 12.6	8 28 17.6	10	B. Z.
	6	11 37 51.9	140 45 29.4	3 37 27.3	18	B. Z. and H. C.
	8	9 14 1.1	139 37 21.9	+ 1 10 10.1	11	B. Z. and H. C.
	12	10 52 34.5	137 50 46.0	− 2 57 27.3	10	B. Z.
	30	10 0 39.4	135 43 56.7	11 44 24.8	5	Observed in the dark field.
Mauvais (Second).	Feb. 4	7 19 26.0	44 31 16.6	− 20 58 21.2	19	H. C.
	8	7 16 33.6	44 17 40.4	19 48 7.2	2	H. C.
	9	7 56 32.4	44 15 24.4	19 16 40.0	5	H. C.
	Mar. 6	7 52 42.7	45 24 24.1	9 43 0.9	3	Own determination.
Colla.	Feb. 25	8 6 37.9	49 27 31.0	− 13 6 10.2	2	Piazzi.
	Mar. 5	7 55 28.1	53 57 7.4	9 48 36.6	15	B. Z.
	6	7 30 39.6	55 29 47.4	8 43 45.9	2	B. Z.
	9	7 52 29.4	56 0 36.8	8 22 11.4	5	Own determination.

* See Bailly, Hist. de l'Astronomie Ancienne, pp. 157-488 ; Gebelin, Hist. du Calendrier, pp. 60-88 ; Jamieson's Celestial Atlas ; Maurice, Hist. Hindostan, vol. i. p. 298.

Name of Comet.	Month and Day.	Berlin Mean Solar Time.	Right Ascension.	North Declination.	No. of Comp.	Remarks.
De Vico.	1845. Mar. 13	^h ^m ^s 10 9 33.5	[°] ['] ^{''} 145 43 34.5	+ 40° 18' 55.8	8	B. Z.
	15	8 22 14.8	142 33 42.7	37 13 0.0	9	B. Z.
	22	8 54 44.4	132 55 41.2	24 29 12.0	11	Own determination.
	27	11 42 32.7	127 43 59.4	14 54 36.0	12	B. Z. and H. C.
	30	8 47 24.1	125 23 28.4	9 48 2.3	10	B. Z. and H. C.
	April 1	8 32 16.5	123 59 2.2	6 27 16.3	10	Own determination.
	2	8 51 36.0	123 19 34.0	4 49 6.6	11	B. Z.
	3	8 54 37.9	122 43 4.8	3 14 39.8	10	B. Z. and H. C.
	4	8 30 19.7	122 9 16.3	+ 1 44 43.7	10	B. Z.
	6	8 51 47.3	121 6 15.4	— 1 11 2.7	15	H. C.
	7	8 20 40.5	120 38 18.7	2 32 25.8	10	Piazzi.
	13	8 24 5.2	118 21 29.1	9 56 33.8	6	Own determination.
	14	8 40 46.2	118 3 40.5	11 2 46.9	15	B. Z. and H. C.

The observations were for the most part made at the great refractor, with Fraunhofer's wire-micrometer, excepting the few, for which another mode of observation is stated in the remarks. The remarks shew from whence the stars of comparison are taken.

Piazzi.....Piazzi's Second Catalogue.
B. Z.....Bessel's Zones.
H. C.....Histoire Celeste.

2. Observations of Mauvais' Second Comet (6th series) made at the Royal Observatory, Cape of Good Hope. Communicated by G. B. Airy, Esq.

Date.	Star of Comparison.	Cape Mean Time for Right Ascension.	Difference of R. A. of Comet and Star.	No. of Obs.	Cape Mean Time for Declination.	Difference of Declination of Comet and Star.	No. of Obs.
1845. Feb. 16	60	^h ^m ^s 9 41 33.9	^m ^s + 1 40.59	8	^h ^m ^s 9 50 25.6	+ 7' 22.5	4
26	61	8 48 13.9	+ 1 6.90	12	8 59 48.1	+ 7 36.8	6
Mar. 2	62	8 40 27.0	+ 1 2.17	16	8 55 53.5	+ 3 34.4	10
3	62	8 11 11.3	+ 1 21.73	18	8 27 6.6	— 14 33.7	8
4	63	8 18 50.1	— 1 22.22	18	8 34 24.9	+ 8 4.6	10
5	63	8 27 25.1	— 1 0.12	16	8 11 0.3	— 9 26.8	10
6	64	8 17 34.2	— 1 14.09	16	8 32 19.2	— 0 23.5	10
10	65	8 8 5.0	— 1 40.46	16	8 32 14.3	— 2 10.2	10

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